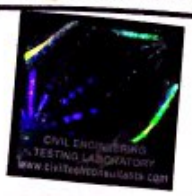
CIVIL-TECH CONSULTANTS AND ENGINEERS
Building & Highway Material Testing Laboratory
NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

Job No.: CTCE/BBMP/W.No.12/BMK/WMM/Gradation/2014-15



08

GRADATION FOR WMM
MORTH TABLE-400-11

Client : **Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.

Agency : **Mr. B. Mohan Kumar,** Contractor, Bangalore.

Name of Work : Asphalting to Cross Roads at Babanna Badavane in Ward No.12, Shettyhalli Sub Div BBMP, Bangalore.

Reference : BBMP/DZ/AEE/SSD/PR/2014-15 Dated: 05.01.2015

Date of Testing : 08.01.2015

Material : WMM

Sample Location : WMM Mix Plant

Oven Dry Wt (gm): 235

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Spec.L
53	0	0	0	100	100
45	935	935	4.0	96.0	95-1
22.4	5860	6795	28.9	71.1	60-8
11.2	5545	12340	52.5	47.5	40-6
4.75	2380	14720	62.6	37.4	25-4
2.36	3825	18545	78.9	21.1	15-3
0.600	2295	20840	88.7	11.3	8-22
0.075	2375	23215	98.8	1.2	0

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

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Basaveshwaranagar,
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08.01.2015

Aggregate Impact Value

IS: 2386 Part IV

Client	**Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.
Agency	**Mr. B. Mohan Kumar,** Contractor, Bangalore.
Name of the Work	Asphalting to Cross Roads at Babanna Badavane in Ward No.12, Shettyhalli Sub Division, BBMP, Bangalore.
Reference	BBMP/DZ/AEE/SSD/PR/2014-15 Dated: 05.01.2015
Source / Location	WMM Plant
Type of Mix	Wet Mix macadam
Date of Testing	08.01.2015

Sl No.	Details	Trial No.			Average
		1	2	3	
1	Total weight of aggregate sample filling the cylindrical measure = W_1 g	385	382	389	
2	Weight of agregate passing 2.36 mm sieve after the test = W_2 g	85	83	87.5	
3	Weight of aggregate retained 2.36 mm sieve after the test = W_3 g	300	299	301.5	
4	Aggregate Impact value = percent fines	22.08	21.73	22.49	22.10
	100* (W_2/W_1)%				

Comments:

→ Maximum allowable Aggregate Impact value for Wet mix Macadam is 30%

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BITUMEN CONTENT AFTER GRADATION DETERMINATION OF SEMI DENSE BITUMINOUS CONCRETE MI

AASHTO T 164 & AASHTO T 30

CLIENT	**Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.
AGENCY	**Mr. B. Mohan Kumar,** Contractor, Bangalore.
NAME OF THE WORK	Asphalting to Cross Roads at Babanna Badavane in Ward No.12, Shettyhalli Sub Division, BBMP, Bangalore.
REFERENCE	BBMP/DZ/AEE/SSD/PR/2014-15 Dated: 05.01.2015
SAMPLE I/D	Roads in Babanna Badavane W.No.12
DATE OF TESTING	27.02.2015

GRADATION AFTER EXTRACTION

Sieve Size in mm	Trail 1				Specified Limits as per MORTH specification table 500-4 (Grading-2)
	Weight Retained, gm	% Retained	%Cummulative Retained	% Passing	
13.2	0	0	0	100	100
9.5	40.75	8.55	8.55	91.45	90-100
4.75	265.8	55.78	64.33	35.67	35-51
2.36	53.98	11.33	75.66	24.34	24-39
1.18	44.15	9.27	84.93	15.07	15-30
0.3	26.87	5.64	90.57	9.43	9-19
0.075	30.54	6.41	96.98	3.02	3-8

Sieve Size in mm	Trail 2				Specified Limits as per MORTH specification table 500-4 (Grading-2)
	Weight Retained, gm	% Retained	%Cummulative Retained	% Passing	
13.2	0	0	0	100	100
9.5	41.96	8.82	8.82	91.18	90-100
4.75	263.4	55.34	64.15	35.85	35-51
2.36	55.47	11.65	75.80	24.20	24-39
1.18	42.32	8.89	84.70	15.30	15-30
0.3	26.32	5.53	90.22	9.78	9-19
0.075	31.63	6.64	96.87	3.13	3-8

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